EXHIBIT B



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APPLICATION NO.	FIL	ING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
90/007,869	0	1/09/2006	6766501	SYNP 107 818	
36454	7590	02/28/2006		EXAM	IINER
SYNOPSY P.O. BOX 3	*	O HAYNES BEF	FEL & WOLFELD LLP		
	ON BAY, C	CA 94019		ART UNIT	PAPER NUMBER

DATE MAILED: 02/28/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

HAYNES BEFFEL & WOLFELD LLP

107-0

HAYNES BEFFEL & WOLFELD LLP MAR 06 2006 RECEIVED

Case 1:05-cv-00701-GMS Document 48-3 Filed 03/08/2006 Page 3 of 10

	Control No.	Patent Under Re	examination
Order Granting / Denying Request For	90/007,869	6766501	
Ex Parte Reexamination	Examiner	Art Unit	
	St. John Courtenay III	3992	
The MAILING DATE of this communication appo	ears on the cover sheet with	the correspondence	e address
The request for <i>ex parte</i> reexamination filed <u>09</u> been made. An identification of the claims, the determination are attached.			
Attachments: a) PTO-892, b) PT	⁻ O-1449, c) Other	•	
1. The request for ex parte reexamination is	GRANTED.		
RESPONSE TIMES ARE SET AS F	FOLLOWS:		
For Patent Owner's Statement (Optional): TW (37 CFR 1.530 (b)). EXTENSIONS OF TIME A			munication
For Requester's Reply (optional): TWO MONT Patent Owner's Statement (37 CFR 1.535). Not If Patent Owner does not file a timely stateme is permitted.	O EXTENSION OF THIS T	ME PERIOD IS PE	RMITTED.
2. The request for <i>ex parte</i> reexamination is	DENIED.		
This decision is not appealable (35 U.S.C. 303 Commissioner under 37 CFR 1.181 within ONI CFR 1.515(c)). EXTENSION OF TIME TO FIL AVAILABLE ONLY BY PETITION TO SUSPE 37 CFR 1.183.	E MONTH from the mailing E SUCH A PETITION UND	date of this commu DER 37 CFR 1.181	nication (37 ARE
In due course, a refund under 37 CFR 1.26 (c	c) will be made to requeste	r:	
a) Dy Treasury check or,			
b) Deposit Account No	, or		
c) Dy credit to a credit card account, ur	nless otherwise notified (35	U.S.C. 303(c)).	
		John Courtenay III imary Examiner t Unit: 3992	>

cc:Requester (if third party requester)
U.S. Patent and Trademark Office
PTOL-471 (Rev. 04-01)

Application/Control Number: 90/007,869

Art Unit: 3992

Response to Request for ex parte Reexamination

- 1. Reexamination has been requested for claims 1 and 8 of U.S. Patent number 6,766,501 ('501 patent).
- 2. A substantial new question of patentability affecting at least claim 1 of United States Patent number 6,766,501 is raised by the request for *ex parte* reexamination.
- 3. The '501 patent is currently assigned to:

SYNOPSYS, INC.

700 EAST MIDDLEFIELD ROAD
MOUNTAIN VIEW, CALIFORNIA 94043

- 4. The '501 patent application filing date was Aug. 12, 2002 and the patent issued on July 20, 2004.
- 5. The '501 patent application is a continuation of application 09/275,502, filed on March 24, 1999, now U.S. Pat. No. 6,434,733.
- 6. In the request for reexamination, the Patent Owner states that the following references raise a substantial new question of patentability with respect to claims 1 and 8 for which reexamination is requested:
 - Barbagallo et al., "Scan Insertion Criteria for Low Design Impact", Proc IEEE VLSI Test Symposium, 1996 (hereinafter Barbagallo-1").

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 Barbagallo et al., "Layout-driven scan chain partitioning and reordering", IEEE European Test Workshop, 1996 (hereinafter "Barbagallo-2").

- 7. The aforementioned newly cited references were not of record in the file of the `501 patent and are not cumulative to the art of record in the original file.
- 8. It is agreed that there exists a substantial likelihood that at least the Barbagallo-1 reference would have been considered important by a reasonable Examiner in deciding whether or not at least claim 1 was patentable, for the reasons discussed *infra*:
- 9. As per independent claim 1, Barbagallo-1 teaches a computer implemented process for electronic design automation, said process comprising the steps of:
 - receiving a scannable netlist of an integrated circuit, said scannable netlist comprising a scan chain [Barbagallo-1 generates a scannable netlist based on a netlist. Barbagallo-1 describe scan insertion tools that partition cells in an integrated circuit netlist into scan chains, see e.g., page 1, col. 2, lines 38 to page 2, col. 1, line 37; see also admission of Patent Owner (page 5 of the request for reexamination received Jan 9, 2006)];

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partitioning said scan chain into a plurality of sets of re-orderable scan cells, wherein partitioning information which describes the scan cells of each set is generated [e.g., Barbagallo-1 teaches driving the partitioning process with logical constraints only, see page 2, col. 2, under the heading "3. Proposed Approach": i.e., "In our first implementation, we chose to drive the partitioning process with logical constraints only ..."]; and

• based on said partitioning information, re-ordering scan cells of said scan chain during layout processes of said integrated circuit design, said step of re-ordering only re-ordering scan cells of a same set [e.g., Barbagallo-1 teaches that physical data are used to select the ordering inside each scan chain, page 2, col. 2, under the heading "3. Proposed Approach": i.e., "In our first implementation, we chose to drive the partitioning process with logical constraints only, while physical data are used to select the ordering inside each scan chain. In Fig. 1, a pseudo-code of the algorithm is presented."].

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Conclusion

- 10. All claims are subject to reexamination.
- 11. Extensions of time under 37 C.F.R §1.136(a) will not be permitted in this proceeding because the provisions of 37 C.F.R. §1.136 apply only to "an Applicant" and not to parties in a reexamination proceeding. Additionally, 35 U.S.C. §305 requires that *ex parte* reexamination proceedings "will be conducted with **special dispatch**" (37 C.F.R. §1.550(a)). Extensions of time in *ex parte* reexamination proceedings are provided for in 37 C.F.R. §1.550(c).
- 12. The Patent Owner is reminded of the continuing responsibility under 37 C.F.R. § 1.565(a) to apprise the Office of any litigation activity, or other prior or concurrent proceeding, involving Patent number 6,766,501 throughout the course of this reexamination proceeding. The third party requester is also reminded of the ability to similarly apprise the Office of any such activity or proceeding throughout the course of this reexamination proceeding. See MPEP §§ 2207, 2282 and 2286.

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How to Communicate with the USPTO

ALL correspondence relating to this ex partes reexamination proceeding should be directed as follows:

Please mail any communications to:

Attn: Mail Stop "Ex Parte Reexam" Central Reexamination Unit Commissioner for Patents P. O. Box 1450 Alexandria VA 22313-1450

Please FAX any communications to:

(571) 273-9900 Central Reexamination Unit

Please hand-deliver any communications to:

Customer Service Window Attn: Central Reexamination Unit Randolph Building, Lobby Level 401 Dulany Street Alexandria, VA 22314

Any inquiry concerning this communication or earlier communications from the Reexamination Legal Advisor or Examiner, or as to the status of this proceeding, should be directed to the Central Reexamination Unit at telephone number (571) 272-7705.

Signed: St. John Courtenay III

(Monday - Friday 9:00 AM - 5:30 PM)

Primary Examiner Central Reexamination Unit 3992 (571) 272-3761

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PTO/SB/08B (08-03)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449/PTO				Complete if Known			
	-			Patent Number	6,766,501 90/0	07,869	
INFOR	MATION D	ISCL	OSURE	Issue Date	July 20, 2004 /		
STATEMENT BY APPLICANT (Use as many sheets as necessary)			ICANT	First Named Inventor	Duggirala et al.		
			nd	Art Unit	3992		
			יעי	Examiner Name	COURTENA	Y	
Sheet 1	of	1		Attorney Docket Number	SYNP 107		

		NON PATENT LITERATURE DOCUMENTS		
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		
Sc	C1	S. Barbagallo et al. "Scan Insertion Criteria for Low Design Impact", Proc IEEE VLSI Test Symposium, 1996, consisting of 7 pages.		
SC	C2	S. Barbagallo et al "Layout-driven Scan Chain Partitioning and Reordering", IEEE European Test Workshop, 1996, consisting of 3 pages.		
		·		

Examiner S. COURTENAY	Date Considered	2-21-2006
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^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not

Applicant's unique citation for movin newton or not ctation is in conformance with MPEP 609. Draw line through citation in not in conformance and not considered, include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449/PTO		re required to respond to a collection of information unless it contains a valid OMB control number. Complete if Known		
		Patent Number	6,766,501 90/00) 869	
INFORMATION	DISCLOSURE	Issue Date	July 20, 2004	
STATEMENT B	Y APPLICANT	First Named Inventor	Duggirala et al.	
(Use as many shee	ete se nacosanal	Art Unit	3992	
(Use as many snee	us as necessary)	Examiner Name	COURTENAY	
Sheet 1	of 1	Attorney Docket Number	SYNP 107	

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	
Sc	C1	S. Barbagallo et al. "Scan Insertion Criteria for Low Design Impact", Proc IEEE VLSI Test Symposium, 1996, consisting of 7 pages.	
Sc	C2	S. Barbagallo et al "Layout-driven Scan Chain Partitioning and Reordering", IEEE European Test Workshop, 1996, consisting of 3 pages.	
SC	СЗ	Lin et al. "Layout-driven Chaining of Scan Flip-Flops", IEEE Proc. Comput. Digit. Tech., Vol. 143, No. 6, November 1996, pp. 421-425	
SC	C4	Chen et al. "Layout Driven Selecting and Chaining of Partial Scan Flip-Flops", 33rd Design Automation Conference June 1996, consisting of 6 pages.	
SC	C5	Hirech et al. "A New Approach to Scan Chain Reordering Using Physical Design Information", IEEE Proceedings of the ProceedingsInternational Test Conference, 1998 pp. 348-355.	
SC	C6	Kobayashi et al. "A VLSI Scan-Chain Optimization Algorithm for Multiple Scan-Paths", IEICE Trans. Fundamentals, Vol. E82-A, No. 11 November 1999, pp. 2499-2504.	
Sc	C7	K.D. Boese et al. "Scan Chain Optimization: Heuristic and Optimal Solutions", Internal Report, UCLA CS Dept., October 1994, pp.1-19. Available at http://citeseer.csail.mit.edu.	
SC	C8	Cirasella et al. "The Asymmetric Traveling Salesman Problem: Algorithms, Instance Generators, and Tests", ALENEX 2001 Proceedings, Springer Lecture Notes in Computer Science 2153, pp. 32-59.	
SC	C9	Berthelot et al. "An Efficient Linear Time Algorithm For Scan Chain Optimization and Repartitioning", ITC International Test Conference, IEEE 2002, pp. 781-787.	
SC	C10	S. Barbagallo et al. "Scan Chain Partitioning and Re-ordering Based on Layout Information: An Industrial Experience", DATE98: Design, Automation and Test in Europe, February 1998, 5 pages.	

Evaminer	T _D .	
Examiner COURTENAY	Date	7 70 2006
Signature 3. Co 757 H	Considered	2-21-2000

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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